

SBD - CM Review Form

To:	Project Review & Analysis - Construction		
From:	SBD Engineer - Eric Perez		
Department:	Miami Dade Water & Sewer Department	Contact:	Issac Smith
Date:	11/13/2020	Resubmittal:	

PROJECT NUMBER:	S-963
PROJECT TITLE:	Installation of 10" HDPE Sewage Force Main Canal Crossing at NW 16 Ct. and NW 155 Terrace and Cut-In of 60" Plug Valve at NE 10 Ave & NW 159 Street
PROJECT LOCATION:	NW 16 Ct. and NW 155 Terrace and at NE 10 Ave & NW 159 Street Miami FL

SCOPE OF WORK/DESCRIPTION: The project consists of cutting in a 60-inch plug valve on a 72-inch force main (NE 10 Ave and NE 159 St) and constructing a 10-inch directional drill for a permanent by-pass under the existing canal at NW 155 Terrace and NW 16 Court. The work of this project includes, but is not limited to, completing the final design for an 10-inch directional drill under the existing canal; furnishing 10" Nominal Pipe Size DR-11.0 (DIPS), PE 4710 HDPE for the canal crossing; fusing the HDPE pipe, filling with water and performing a low pressure test for the welds; constructing horizontal directional drill under the existing canal, complete; making connections to the existing 8-inch force mains on each side of the canal; furnishing and installing transition piece with stainless steel stiffeners; activating the force main installed by directional drill to allow for a by-pass of the sewage flow from North Miami Beach during the shutdown of the 72-inch force main; furnishing and installing reducers, adapters and short pipe length for the cut-in connection; deactivating the flow on the north part of the 72-inch force main cut-in connection with a line-stop; installing the 60-inch plug valve, reducers, adapters and short piece for the cut-in; constructing access manhole for the 60-inch plug valve operator; furnishing and installing 72-inch tapping saddle for the linestop; furnishing and installing tapping saddle for the pressure relief; performing the cut-in work at a low demand time acceptable to the Department; handling any leaking sewage flow; testing the cut-in installation with a visual inspection; removing the linestop and encasing saddle for corrosion protection; providing as-built record documents; milling, temporary and permanent pavement repairs, installing pavement markings and signing; and any other appurtenant and miscellaneous items and work for a complete, functional and satisfactory installation with material and methodology that will meet all requirements stated in the Performance Criteria Package

NOTE: THIS PROJECT WILL BE BID UNDER RTQ-00298 PRE-QUALIFICATION FOR TRENCHLESS TECHNOLOGIES, FOR COMPETITION AMONG ALL GROUP 2 BIDDERS.

SPECIAL REQUIREMENTS: The Contractor shall have previous experience working with large diameter concrete pipe (PCCP 48-inches or larger). The crew foreman shall have the experience along with other key personnel. The Contractor shall meet all requirements specified under Section 02446 HDPE Pipe Horizontal Directional Drill. The Contractor shall secure the services of a Linestop Specialist to stop the flow of the 72- inch force main from the north.

LICENSES: The types of licenses required are: General Contracting, General Engineering, State Underground, Pipeline and/or other categories as applicable by Chapter 489 of the Florida Statutes or Chapter 10 of Miami-Dade County Code.

TRADES/SUBTRADES	AMOUNT		COMMENTS
Pipeline Engineering/General Engineering			
Mobilization / Demobilization	\$60,000.00		
Directional Drill 10" HDPE at NW 155 ST	\$150,000.00		
Furnish and Install C900 pipe & fittings	\$10,000.00		*Opportunities for Small Businesses due to requirements
Connections to existing force main	\$5,000.00		*Opportunities for Small Businesses due to requirements
Furnish 60" PCCP pipe	\$40,000.00		
Furnish & installing Linestop on 72" PCCP	\$150,000.00		
Installing 60" Plug Valve & 60" PCCP pipe	\$200,000.00		
Constructing Concrete Manhole	\$20,000.00		
Limerock Base	\$3,000.00		*Opportunities for Small Businesses due to requirements
Type 1 Asphaltic Paving	\$3,600.00		*Opportunities for Small Businesses due to requirements
Milling	\$5,000.00		
Type V Paving Overlay	\$7,000.00		
Replacing Pavement Markings	\$3,000.00		*Opportunities for Small Businesses due to requirements
Replacing Sod	\$1,000.00		*Opportunities for Small Businesses due to requirements
Furnishing Traffic Control	\$10,000.00		
BASE TOTAL	\$667,600.00	90.91%	
Contingency Allowance (10% of Base Estimate)	\$66,760.00	9.09%	
TOTAL AMOUNT	\$734,360.00	100.00%	

Small Business Development Signature: Eric Perez Date: 11/13/2020

***Trades/Sub-Trades identified for possible subcontracting opportunities by SBD CM**

WASD is recommending 3.00%